

Application Memo

Acidity of Waste Water (Alkali Consumption)

Industry	Environmental
Instrument	Automatic potentiometric titrator
Measurement method	Neutralization titration
Standards	

1. Overview

Acidity of the diluted sample is measured by titration with 0.5mol/L sodium hydroxide. The endpoint is the preset potential on the titration curve. The acidity is calculated from the titration volume of the sodium hydroxide.

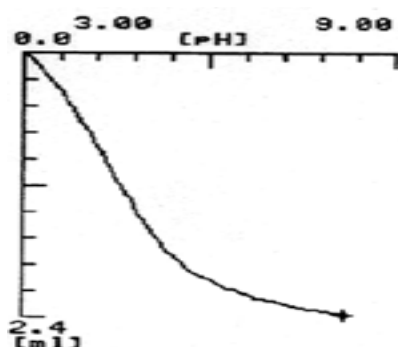
2. Apparatus

Main unit	Automatic potentiometric titrator (preamplifier STD)
Electrode	pH glass electrode Ceramic reference electrode Temperature compensation electrode

3. Reagents

Titrant	0.5mol/L sodium hydroxide
Solvent	Water

4. Example



—Titration curve—

—Measurement results—

	Sample size (mL)	Titer (mL)	Acidity (%)
1	10.0	2.3842	0.7165
2	10.0	2.3849	0.7168
3	10.0	2.3841	0.7165
Average			0.7166
SD			0.0001
RSD(%)			0.02

Please feel free to contact us for any further information.
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